

CONSTRUCTION PERMIT GRANT -- OPERATING PERMIT DENIAL - NSPS SOURCES

PERMITTEE

Miller Holdings, LLC
 Attn: Mr. Justin Miller, Vice President
 1815 Colona Road
 East Moline, Illinois 61244

Application No.: 04050042

I.D. No.: 161045AJB

Applicant's Designation:

Date Received: May 13, 2004

Subject: Concrete Recycling Plant

Date Issued: October 12, 2004

Location: 7100 Route 150, Moline, Illinois 61265

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission unit(s) and/or air pollution control equipment consisting of a concrete recycling plant with water spray bars as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. The plant is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and OOO. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
 - b. Fugitive emissions of PM from the crushers (except from truck dumping) shall not exceed 15 percent opacity, (40 CFR 60.672(c) and (d)).
 - c. Fugitive emissions of PM from the screens (except from truck dumping) and conveyors shall not exceed 10 percent opacity (40 CFR 60.672(b) and (d)).
 - d. At all times the Permittee shall maintain and operate the plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).
2. Emissions and operation of the plant shall not exceed the following limits:

<u>Equipment</u>	Aggregate Throughput			
	<u>(Tons/Month)</u>		<u>(Tons/Year)</u>	
	42,000		250,000	
<u>Equipment</u>	<u>Emission Factor</u> <u>(Lb/Ton)</u>	<u>PM Emissions</u>		
		<u>(Tons/Month)</u>	<u>(Tons/Year)</u>	
2 Crushers	0.0012	0.06	0.30	
1 Screen	0.0018	0.04	0.23	
10 Transfer Points	0.0001	0.03	0.13	
Totals		0.13	0.66	

These limits are based on maximum throughput and standard, controlled AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. The surface moisture content of the aggregate as crushed shall be at least 1.5% by weight. The Permittee shall show compliance with this requirement as follows:
 - a. Water sprays shall be used at each crusher and on other emission units as necessary, except when weather conditions are below or expected to fall below freezing temperatures, to provide moisture that will reduce emissions of particulate matter.
 - b. The water supply to the spray equipment shall be equipped with a metering device used to determine water usage for the control of particulate matter emissions.
 - c. Inspections of water spray equipment and operation (such as leaking, adequate flow maintain, clogging of flow lines, etc.) shall be performed at least once per week when the facility is in operation.
4. The Permittee shall maintain records of the following items to demonstrate compliance with the conditions of this permit:
 - a. Aggregate throughput (tons/month and tons/year);
 - b. Operating logs for the water spray equipment, including dates and times of usage, malfunctions (type, date, and measures taken to correct), water pressure, and dates when there was at least 0.25" of rainfall during the preceding 24 hours and the water spray equipment was not operated;
 - c. Weekly records of water consumption in the spray equipment, as determined by the meter required by Condition 3(b) and the amount of precipitation specified in Condition 4(a); and
 - d. Incidents of malfunction, with date, duration, description, probable cause, and corrective actions, pursuant to 40 CFR 60.7(b).
5. The Permittee shall notify the Illinois EPA as required by 40 CFR 60.7, including:
 - a. Commencement of construction
 - b. Actual date of initial startup.
6. These sources may be operated for 180 days under this construction permit.

- 7a. Within 60 days after each source achieves maximum production, but not later than 180 days after initial startup pursuant to 40 CFR 60.675 and 60.8, the opacity from the affected facilities shall be measured during conditions which are representative of the maximum performance. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 90 days.
- b.
 - i. The following methods and procedures shall be used for opacity measurements.

USEPA Method 9, 40 CFR 60 Appendix A
 - ii. A test shall consist of 30 sets of 24 consecutive observations.
- c. Opacity measurements shall be performed by a certified observer.
- d. The Illinois EPA shall be notified prior to these measurements to enable the Illinois EPA to observe these measurements. Notification of the expected date of the measurements shall be submitted to a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of measurement shall be submitted a minimum of five (5) working days prior to the actual date of the measurement. The Illinois EPA may, at its discretion, accept notification with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe the measurements.
8. The Permittee shall submit the Test report for this testing, accompanied by a cover letter stating whether or not compliance was shown, to the Illinois EPA within 30 days after results are compiled.
9. Operation of the plant shall not begin until all associated air pollution control equipment has been constructed and is operational.
10. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the source except when the wind speed is in excess of 25 miles per hour, pursuant to 35 Ill. Adm. Code 212.301 and 212.314.
11. This facility is subject to 35 Ill. Adm. Code 212.309 and 212.310 for fugitive particulate matter. Therefore, an operating program for controlling fugitive particulate matter at this facility must be submitted in accordance with these rules.
12. No person shall cause or threaten or allow the discharge or emission of any contaminant into the environment in any State so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted by the Illinois Pollution Control Board, pursuant to Section 9(a) of the Illinois Environmental Protection Act.

13. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
14. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

The OPERATING permit application is DENIED because the Illinois Environmental Protection Act, Section 9, and 35 Ill. Adm. Code 201.160 might be violated.

Pursuant to Section 201.160, an operating permit may not be issued until the equipment has been constructed or modified in accordance with applicable conditions in this construction permit. The Illinois EPA suggests that you reapply for the operating permit after the construction is completed in accordance with the construction permit. This information must be submitted in duplicate and should reference the application and I.D. numbers assigned above.

If you have any questions on this, please call Jim Kallmeyer at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:JDK:psj

cc: Region 2